

2003 ESTIMATED NITROGEN LOADS BY RIVER BASIN (IN POUNDS, ROUNDED TO THE NEAREST THOUSAND)

River/State	Forest/Wooded	Crop	Other Ag	Urban	Mixed Open	Point Source	Septic	Atmosphere	Total
Upper Eastern Shore									
Delaware (2003)	269,000	3,514,000	190,000	194,000	288,000	188,000	266,000	13,000	4,923,000
% change from 1985	1%	-19%	-45%	21%	4%	-44%	79%	0%	-16%
Maryland (2003)	1,275,000	10,783,000	418,000	954,000	1,352,000	1,273,000	683,000	322,000	17,061,000
% change from 1985	4%	-37%	-70%	-6%	20%	44%	13%	0%	-28%
Pennsylvania (2003)	19,000	257,000	56,000	25,000	30,000	0	49,000	4,000	440,000
% change from 1985	8%	-16%	-55%	25%	2%	0%	49%	0%	-18%
Virginia (2003)	13,000	90,000	1,000	5,000	7,000	0	3,000	0	120,000
% change from 1985	-1%	2%	-76%	-7%	3%	0%	8%	0%	-1%
Total Basin (2003)	1,576,000	14,645,000	665,000	1,178,000	1,677,000	1,461,000	1,002,000	340,000	22,544,000
% change from 1985	4%	-33%	-64%	-2%	16%	20%	27%	0%	-25%
								2010 Goal	14,101,000
Lower Eastern Shore									
Virginia (2003)	116,000	1,413,000	13,000	83,000	81,000	234,000	81,000	38,000	2,059,000
% change from 1985	-4%	-12%	-62%	-17%	-7%	-18%	-8%	1%	-12%
								2010 Goal	1,158,000
James									
Virginia (2003)	3,916,000	4,300,000	2,442,000	6,860,000	2,463,000	15,815,000	1,369,000	535,000	37,701,000
% change from 1985	-1%	-27%	-17%	4%	-2%	-32%	21%	3%	-20%
West Virginia (2003)	25,000	3,000	7,000	0	4,000	0	0	0	40,000
% change from 1985	-1%	-45%	-17%	-19%	0%	0%	-32%	0%	0%
Total Basin (2003)	3,941,000	4,304,000	2,449,000	6,860,000	2,468,000	15,815,000	1,370,000	535,000	37,741,000
% change from 1985	-1%	-27%	-17%	4%	-2%	-32%	21%	3%	-20%
								2010 Goal	26,433,000
Patuxent									
Maryland (2003)	286,000	760,000	94,000	1,301,000	243,000	1,004,000	446,000	43,000	4,177,000
% change from 1985	0%	-41%	-57%	16%	3%	-35%	47%	3%	-17%
								2010 Goal	2,461,000
Potomac									
D.C. (2003)	3,000	0	0	344,000	4,000	3,760,000	0	6,000	4,117,000
% change from 1985	9%	0%	0%	-19%	75%	-52%	-100%	0%	-51%
Maryland (2003)	1,449,000	5,451,000	1,160,000	3,091,000	958,000	5,196,000	1,106,000	192,000	18,605,000
% change from 1985	5%	-17%	-50%	-4%	2%	-39%	33%	2%	-22%
Pennsylvania (2003)	878,000	2,960,000	1,319,000	299,000	295,000	218,000	199,000	15,000	6,182,000
% change from 1985	7%	-18%	-4%	-2%	4%	-8%	16%	3%	-9%
Virginia (2003)	1,530,000	4,336,000	2,555,000	3,890,000	942,000	5,799,000	1,043,000	159,000	20,255,000
% change from 1985	0%	-24%	-16%	17%	-3%	-34%	51%	4%	-16%
West Virginia (2003)	1,749,000	1,351,000	1,679,000	398,000	736,000	365,000	450,000	62,000	6,790,000
% change from 1985	2%	-35%	-10%	-6%	5%	-13%	100%	2%	-9%
Total Basin (2003)	5,608,000	14,098,000	6,714,000	8,022,000	2,935,000	15,338,000	2,799,000	434,000	55,948,000
% change from 1985	3%	-22%	-22%	4%	1%	-41%	46%	2%	-21%
								2010 Goal	35,783,000
Rappahannock									
Virginia (2003)	1,300,000	2,757,000	1,130,000	736,000	745,000	578,000	423,000	98,000	7,767,000
% change from 1985	1%	-42%	-23%	16%	4%	24%	44%	1%	-20%
								2010 Goal	5,239,000
Susquehanna									
Maryland (2003)	167,000	643,000	100,000	71,000	176,000	43,000	140,000	54,000	1,396,000
% change from 1985	8%	-15%	-57%	-13%	4%	-9%	30%	-1%	-13%
New York (2003)	4,706,000	5,242,000	2,321,000	1,025,000	1,591,000	2,083,000	592,000	204,000	17,763,000
% change from 1985	13%	-30%	-39%	-13%	17%	-2%	0%	0%	-15%
Pennsylvania (2003)	21,798,000	35,720,000	10,844,000	7,259,000	6,916,000	13,871,000	3,796,000	1,548,000	101,752,000
% change from 1985	9%	-20%	-37%	-7%	2%	24%	6%	2%	-10%
Total Basin (2003)	26,671,000	41,605,000	13,265,000	8,356,000	8,684,000	15,996,000	4,528,000	1,807,000	120,911,000
% change from 1985	10%	-21%	-38%	-8%	5%	20%	6%	2%	-11%
								2010 Goal	80,985,000
Western Shore MD									
Maryland (2003)	425,000	1,276,000	159,000	3,305,000	411,000	9,638,000	1,092,000	112,000	16,418,000
% change from 1985	-5%	-30%	-65%	-8%	-2%	-53%	18%	0%	-42%
Pennsylvania(2003)	1,000	27,000	5,000	1,000	4,000	0	2,000	0	40,000
% change from 1985	-1%	-13%	-26%	14%	-1%	0%	33%	0%	-12%
Total Basin (2003)	426,000	1,303,000	164,000	3,306,000	415,000	9,638,000	1,094,000	112,000	16,459,000
% change from 1985	-5%	-30%	-65%	-8%	-2%	-53%	18%	0%	-42%
								2010 Goal	11,289,000
York									
Virginia (2003)	1,283,000	2,466,000	395,000	682,000	981,000	1,092,000	478,000	136,000	7,513,000
% change from 1985	2%	-34%	-35%	17%	3%	-15%	40%	2%	-16%
								2010 Goal	5,700,000
Total to Bay (2003)	41,207,000	83,352,000	24,888,000	30,523,000	18,228,000	61,156,000	12,220,000	3,543,000	275,118,000
% change from 1985	6%	-25%	-34%	0%	4%	-30%	21%	2%	-18%